ABSTRACT OF THE DISCLOSURE

A propulsion system which is designed to be used on a payload platform such as a spacecraft, satellite, aircraft or ocean vessel. To operate the system, electrical power is required. However, during operation the system does not require fuel or mass to be expelled into the environment in order to move in space. The system is designed to operate in two operational modes: in mode 1 the system incrementally moves the payload platform forward with each operational cycle. In the first mode, the system starts out with zero momentum and after moving a small distance is again left with zero momentum. In the mode 2 operation the payload platform accelerates forward a discrete increment of velocity during each operational cycle. In this second mode of operation these increments of velocity are additive.